

ABSTRACT OF THE DISCLOSURE

Methods are provided for monitoring the condition of smooth muscles for abnormalities such as undesirable proliferation, and thereby monitoring for the presence of certain diseases such as transplant rejection, asthma and arteriosclerosis. A patient can have a sample taken from a site suspected to be subject to the disease. The sample is analyzed for the extent of presence of selenium binding protein, or phosphorylated forms thereof.

Modified expression of the marker protein in the sample, or its absence, indicate the presence of such a disease. One may homogenize the sample and look for the presence or absence of a distinctly sized protein fragment resulting from the marker protein as a means of analyzing for the presence of the marker protein in the sample.

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